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United States Department of Agriculture Bureau of Biological Survey

Wildlife Research and Management Leaflet BS-4

Washington, D. C.

Rev., June 1938

AVAILABLE PUBLICATIONS OF THE BUREAU OF BIOLOGICAL SURVEY

Compiled in the Division of Public Relations

The publications listed on pages 1 to 4 and preceded by a star (*) can be obtained ONLY BY PURCHASE from the Superintendent of Documents, Government Printing Office, Washington, D. C., at the prices stated; remittances should be sent direct to the Superintendent of Documents and not to the Department or Bureau, as the Department of Agriculture does not sell publications.

The non-technical publications listed on pages 1 to 4 without a star can be obtained free from the Office of Information, U. S. Department of Agriculture, Washington, D. C.

The mimeographed information leaflets listed on pages 4 to 7 can be obtained free on request addressed to the Chief, Bureau of Biological Survey, U. S. Department of Agriculture, Washington, D. C.

The supply of the non-technical publications and mimeographed leaflets for free distribution is limited, hence no more than 10 copies may be sent free in response to an individual request. In all requests, please mention the series, the number, and the title of the publications desired and list them in numerical order.

Farmers' Bulletins:

- 497F. Some Common Game, Aquatic, and Rapacious Birds in Relation to Man.
- 506F. Food of some Well-Known Birds of Forest, Farm, and Garden.
- *513F. Fifty Common Birds of Farm and Orchard. (Colored illustrations.) 25ϕ
- *587F. Economic Value of North American Skunks. 5¢
- *621F. How to Attract Birds in the Northeastern United States. 5¢
- 630F. Some Common Birds Useful to the Farmer.
- 702F. Cottontail Rabbits in Relation to Trees and Farm Crops.
- 755F. Common Birds of Southeastern United States in Relation to Agriculture.
- *760F. How to Attract Birds in Northwestern United States. 5ϕ
- *844F. How to Attract Birds in the Middle Atlantic States. 5¢
- *869F. The Muskrat as a Fur Bearer: With Notes on its Use as Food. 5ϕ
- *912F. How to Attract Birds in the East Central States. 5¢
- 1102F. The Crow in Its Relation to Agriculture.
- 1327F. Canaries: Their Care and Management.
- 1397F. Mouse Control in Field and Orchard.
- 1456F. Homes for Birds.
- 1533F. Rat Control.
- 1571F. The European Starling in the United States.
- 1598F. Mountain Beavers in the Pacific Northwest.
- 1612F. Propagation of Aquatic Game Birds.
- 1613F. Propagation of Upland Game Birds.
- 1638F. Rat Proofing Buildings and Premises.

Farmers' Bulletins - Continued. 1644F. Local Bird Refuges. 1682F. Usefulness of Birds on the Farm. 1709F. Pocket-Gopher Control. 1716F. Mole Control. 1719F. Improving the Farm Environment for Wildlife. 1730F. Rabbit Production. 1759F. Game Management on the Farm. 1768F. Trapping and Transplanting Live Beavers. 1777F. Diseases of Fur Animals. 1781F. Diseases of Upland Game Birds. 1783F. Feeding Wildlife in Winter. Leaflets: SIL. Woodchuck Control in the Eastern States. 27L. Recommendations to Beginners in Fur Farming. *36L. Gourds for Bird Houses and Other Purposes. 5¢ 47L. Hygiene in Fox Farming. 48L. Reindeer Recipes. 50L. How to Make a Cat Trap. 59L. Hints on Wolf and Coyote Trapping. 60L. Porcupine Control in the Western States. 61L. English Sparrow Control. 65L. Red-Squill Powder in Rat Control. 78L. Hints on Bobcat Trapping. 94L. Hints on Mountain Lion Trapping. 96L. Protecting Poultry from Predacious Birds. 109L. Eliminating Bats from Buildings. 120L. Excluding Birds from Reservoirs and Fishponds. 132L. Den Hunting as a Means of Coyote Control. Reprints from Yearbooks: *823Y. Trapping on the Farm. *855Y. Death to the Rodents. 5ϕ *1513Y. Botulism is a Factor in the Decrease of Western Waterfowl. 5¢ *1514Y. Fur Scarcity through Overtrapping Impends; Conservation Needed. 5¢ *1515Y. Game as a Farm Crop Emphasized by Agricultural Adjustment. *1516Y. Game Management and Forest Protection are Related Tasks. 5¢ *1517Y. Predators and Rodents are Factors in the Spread of Disease. *1518Y. Waterfowl Breeding Grounds of Far North now Poorly Tenanted. 5¢ *1519Y. Waterfowl Problems Clarified by Study of Gunning Practices. *1520Y. Waterfowl Restoration Program Undertaken by the Government. *1603Y. The Breeding of Fur Animals. 5¢ Technical Bulletins -- Including Department (D) Series: *1089D. Reindeer in Alaska. 25¢ *1091D. Life History of the Kangaroo Rat. 15 ϕ *1268D. Returns from Banded Birds, 1920 to 1923. 10¢ *1350D. Blue-Fox Farming in Alaska. 10¢ *21T. Beaver Habits and Experiments in Beaver Culture. 20¢ *24T. The Magpie in Relation to Agriculture. 10¢

Technical Bulletins--Continued. *26T. Our Migrant Shorebirds in Southern South America. 5¢ *32T. Returns from Banded Birds, 1923 to 1926. 20¢ *134T. Red-Squill Powders as Raticides. 10¢ *145T. Life History and Habits of Grasshopper Mice, Genus Onychomys. *224T. Habits and Economic Status of the Pocket Gophers. 10ϕ *238T. The Pharmacology of Thallium and Its Use in Rodent Control. 5ϕ *411T. Western Duck Sickness: a Form of Botulism. 10¢ *467T. The Crested Myna, or Chinese Starling, in the Pacific Northwest. 5ϕ *608T. Pocket Mice of Washington and Oregon in Relation to Agriculture. 10ϕ North American Faunas: *47. Revision of American Pikas. 15ϕ *48. Voles of Genus Phenacomys: 1, Revision of Genus Phenacomys: History of Red Tree Mouse. 20¢ *50. Revision of American Lemming Mice. 10ϕ *51. Taxonomic Review of American Long-Tailed Shrews (Genera Sorex and Microsorex). 50¢ *52. Revision of American Chipmunks (Genera Tamias and Eutamias). 35ϕ *53. Mammals of New Mexico. \$1.00. *54. Alaska-Yukon Caribou. 20¢ *55. Mammals and Life Zones of Oregon. 75ϕ *56. Revision of the North American Ground Squirrels. 40ϕ Circulars -- including Biological Survey (BSC) Series: *61BSC. Hawks and Owls from the Standpoint of the Farmer. 5ϕ *82C. Improved Reindeer Handling. 5¢ (Superseded by 207M.) *107C. The Normal Breeding Season and Gestation Period of Martens. *342C. The Waterfowl Flyways of North America. 5ϕ *348C. Quail-Food Plants of the Southeastern States. 5¢

*362C. Food Habits of the Coyote in Jackson Hole, Wyo. 5ϕ

*363C. The Migration of North American Birds. 10¢

*370C. Food Habits of Common Hawks. 5ϕ

*381C. Rodents and Moles as Pests in Bulb Plantings. 5ϕ

*409C. Effect of Thallium on Plant Growth. 5ϕ

*410C. Results from Breeding Rabbits that are Suckling Young.

*412C. Groups of Plants Valuable for Wildlife Utilization and Erosion Control. *423C. The House Rat. 5ϕ

*428C. Flight Speed of Birds. 5¢

*4330. Crow-Waterfowl Relationships: Based on Preliminary Studies on Canadian Breeding Grounds. 10¢

*460C. Silver Fox Pelt Prices as Affected by Time of Pelting, Sex, and Age. 10¢

*474C. Muskrat Investigations in Dorchester County, Md., 1930-34. 10¢

Miscellaneous Publications:

*88M. The United States Department of Agriculture: Its Structure and Functions (with chapter on the Biological Survey). 15¢

*115M. Information for the Guidance of Field Men and Cooperators of the Bureau of Biological Survey Engaged in the Control of Injurious Rodents and Predatory Animals. 5¢

*127M. Peafowl and Their Care. 5ϕ

Miscellaneous Publications - Continued.

- *145M. Policies of the Bureau of Biological Survey Relative to the Control of Injurious Birds. 5ϕ
- *195M. A Plan for the Management of Brown Bear in Relation to Other Resources on Admiralty Island, Alaska. 5ϕ

*207M. Raising Reindeer in Alaska. 5¢

*270M. Post-Mortem Examinations of Wild Birds and Mammals. 5¢

*276M. Officials and Organizations Concerned with Wildlife Protection, 1937. 5¢

*289M. Utility of Jack Rabbit and Cottontail Skins. 5ϕ

*291M. Teaching Conservation of Wildlife Through 4-H Clubs. 10ϕ

BIOLOGICAL SURVEY SERIES OF MIMEOGRAPHED LEAFLETS

Note. -- For leaflets listed below, address the Chief, Bureau of Biological Survey, U. S. Department of Agriculture, Washington, D. C., requesting not more than 10 copies in all.

Birds

- BS-1. Winter Food of Ruffed Grouse in New York.
- BS-2. Aids for Bird Students.
- BS-6. Publications on Cage Birds.
- BS-8. Publications on Attracting Birds.
- BS-11. Birds Aid Blueberry and Cranberry Growers.
- BS-13. Protecting Grain Crops from Damage by Wild Fowl.
- BS-27. A Cage Trap Useful in the Control of White-necked Ravens.
- BS-30. Economic Ornithology and the Correlation of Laboratory and Field Methods
- BS-39. Report on the Arnett, Oklahoma, Experimental Quail and Prairie Chicken Management Project.
- BS-41. Fruits Attractive to Birds--Northwestern States. Region No. 1 (Washington, Oregon, and Idaho).
- BS-42. Fruits Attractive to Birds--Rocky Mountain States. Region No.2 (Montana, Wyoming, and Colorado).
- BS-43. Fruits Attractive to Birds--Northern Plains States. Region No. 3 (North Dakota, South Dakota, Nebraska, and Kansas).
- BS-44. Fruits Attractive to Birds--Northeastern States. Region No. 4
 (Minnesota, Wisconsin, Michigan, New York, Vermont, New Hampshire,
 Maine, Massachusetts, Connecticut, Rhode Island, Iowa, Illinois,
 Indiana, Ohio, Pennsylvania, New Jersey, West Virginia, Maryland,
 Delaware, Missouri, Kentucky, and Virginia).
- BS-45. Fruits Attractive to Birds--California. Region No. 5.
- BS-46. Fruits Attractive to Birds--Great Basin States. Region No. 6 (Utah and Nevada).
- BS-47. Fruits Attractive to Birds--Southwestern States. Region No. 7 (Arizona and New Mexico).
- BS_48. Fruits Attractive to Birds--Southern Plains States. Region No. 8 (Texas and Oklahoma).
- BS-49. Fruits Attractive to Birds--Southeastern States. Region No. 9 (Arkans Tennessee, North Carolina, Louisiana, Mississippi, Alabama, Georgia, and South Carolina).

BS-50. Fruits Attractive to Birds -- Florida. Region No. 10.

BS-53. Birdbanding.

BS-64. Protecting Crops from Damage by Horned Larks in California.

BS-76. Some Suggestions for Bird Field Study.

BS-77. The Wild Turkey on the Missouri Ozark Range. (Preliminary Report.)

BS-81. Suggestions for Combating Starling Roosts.

BS-83. Birds in Relation to Fishes.

BS-84. Food of the Scaled Quail. (Preliminary Report.)

BS-93. The Controlled Hunting Areas and the Pheasant Refuge-Management System in Northwestern Ohio.

BS-96. Blackbirds and the Rice Crop on the Gulf Coast.

BS-111. The Waterfowl Situation: 1937-38.

Bi-160. Dealers in Devices for Attracting Birds.

Bi-203. Publications of interest to Game Breeders.

Bi-259. Dealers in Wild-duck Food Plants.

Bi-458. Dealers in Game and Ornamental Birds.
Bi-489. Methods for Eredication Co. Bi-489. Methods for Eradicating Objectionable Roosts of Birds.

Bi-521. Hints on the Care of Parrots.

Bi-631. Dealers in Cage Birds and Cage-bird Supplies.
Bi-1281. Preliminary Report on Study of Raven's Food.

Bi-1297. Winter Food of the Ruffed Grouse in the Northeast.

Fur Animals

- BS-20. What Shall We Feed Our Pelters?
 - BS-25. Fur Resources -- the Stepchild of Conservation.

BS-32. Raising Badgers in Captivity.

BS-34. Raising Raccoons.

BS-35. Raising Muskrats.

BS-36. Publications on Fur and Fur Animals.

BS-40. An Automatic Drinking Fountain for Minks.

BS-58. Classification and Price Trends of Silver Fox Skins.

BS-60. Feeding the Weaned Minks.

... BS-63. Raising Martens in Captivity.

BS-66. Polygamous Mating of Foxes.

BS-69. Fur Farming in Perspective.

BS-75. Raising Otters in Captivity.

BS-80. Feeding and Caring for Squirrels.

BS-82. Mink Raising.

BS-97. Abstract of Fur Laws, 1937-38.

BS-112. Tankage and Livermeal as a Summer Feed for Adult Minks.

Bi-128. Hints on the Care of Ferrets.
Bi-180. Hints on the Care of Opossums.

Bi-1053. Ear Mange in Foxes: Its Treatment and Eradication.

Bi-1190. Raising Chinchillas in Captivity.

Bi-1453. Publications on the Selection and Care of Furs.

Rabbit Raising

- BS-21. Feed Cost of Producing Young Rabbits to Weaning Age.
- BS-22. Feed Requirements in Raising Weaned Rabbits to a Weight of 6 Pounds.
- BS-28. Feeding Schedule for Rabbits.
- BS-31. Average Weight of Rabbits at Weaning Age.
- BS-55. Pertinent Facts on the Angora Wool Rabbit.
- BS-56. Periodicals on Rabbits and Cavies.
- BS-65. Relative Weights of Young Rabbits and Does During the Suckling Period.
- BS-73. Inheritance of "Woolly" in Rabbits.
- BS-74. Nail Keg Nest Box.
- BS-79. Vent Diseases of Domestic Rabbits.
- BS-85. Self-feeding System for Market Rabbits.
- BS-86. Sanitation in Domestic Rabbitries.
- BS-89. Infectious Myxomatosis of Domestic Rabbits.
- BS-90. Hemorrhagic Septicemia of Domestic Rabbits: Contagious Nasal Catarrh (Snuffles), Subcutaneous Abscesses (Boils), and Other Forms.
- BS-101. Principles of Breeding Rabbits.
- BS-102. Salt Requirements of Rabbits.
- BS-114. Care of Rabbits During Warm Weather.
- Bi-994. Rabbit Manure as a Fertilizer.

Predator and Rodent Control

- BS-10. The Possibility of Secondary Poisoning from Thallium Used in the Control of Rodents.
- BS-54. Rodent Control Aided by Emergency Conservation Work.
- BS-59. Directions for Organizing and Conducting Rabbit Drives.
- BS-62. Suggestions on Trapping Coyotes and Wolves in Alaska.
- BS-78. Directions for Destroying House Mice.
- BS-91. Research Studies in the Control of Destructive Mammals.
- BS-113. European and American Methods of Rat Control.
- Bi-889. Publications on Trapping.
- Bi-1028. The Effect of Poisons Used in Rodent Control on Grouse, Pheasants, and Quail.
- Bi-1162. Directions for Poisoning Thirteen-Striped Ground Squirrels.
- Bi-1163. Directions for Controlling Tree Squirrels.
- Bi-1289. Directions for Using Poison in Chipmunk Control.

Miscellaneous Subjects

- BS-5. Tularemia, an Animal-borne Disease.
- BS-9. Infectious Diseases as a Cause of Loss in Wildlife.
- BS-12. The Present Plight of the Jackson Hole Elk.
 BS-14. Planting for Wildlife in the Corn Belt.
- BS-15. Planting for Wildlife in the Cotton Belt.
- BS-17. Wildlife of the Atlantic Coast Salt Marshes.
- BS-29. Directions for Preservation and Care of Material Collected for Food Habit Studies.

BS-33. Forestry and Game Management. The Correlation of Forestry and Wildlife Management. BS-37. BS-38. Cooperative Research in Wildlife Management -- A Summary of the Project to February 15, 1936. BS-52. Raising Guinea Pigs. BS-57. Marking Wild Animals for Identification. Sullys Hill National Game Preserve, North Dakota. BS-61. BS-67. Wildlife Technology. BS-70. Poisonous Snakes of the United States. BS-71. Wildlife in Land Planning. BS-72. Check-List of Marsh and Aquatic Plants of the United States. BS-87. Some Accomplishments of the Cooperative Research Units: A Summary to January 31, 1937. BS-92. The American Chameleon and Its Care.

BS-95. Preserves and Ranges Maintained for Buffalo and Other Big Game. Colleges and Universities Offering Courses in Wildlife Management, BS-98. 1937-38.

BS-99. Disease as a Factor in Game Fluctuation.

BS-100. Annotated List and Index of Leaflets BS-1 to BS-100.

BS-103. Facts About Snakes. (Supersedes Bi-855.) BS-104. The Status of Wildlife Research: 1937.

BS-105. The Federal Aid to Wildlife Restoration Act.

BS-106. Report on Extension Work in Wildlife Conservation to December 1937.

BS-107. Planning for Wildlife Management -- An Outline. BS-108. History and Significance of American Wildlife.

BS-109. Fort Niobrara Game Preserve, Nebraska.

BS-110. Status of Eelgrass (Zostera marina) on the North Atlantic Coast, February 1938.

BS-115. Cultural and Other Methods for the Control of Injurious Wildlife.

BS-117. Protecting Orchard Trees from Deer.

Bi-263. Hints on the Care of White Mice and Rats.

Bi-664. The Toad.

Bi-770. Directions for Destroying Crawfishes.

Bi-1018. Acquisition of Land by Purchase, Gift, or Lease, under the Migratory Bird Conservation Act of February 18, 1929.

Bi-1205. Dealers in Reptiles. Bi-1250. Food of the Gray Fox. Bi-1251. Food of the Red Fox.

Bi-1274. Raising Deer in Captivity.